

# DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS

APPLICATION FOR PERMIT TO DISCHARGE OR WORK IN NAVIGABLE WATERS AND THEIR TRIBUTARIES

37141

## SECTION I GENERAL INFORMATION

1. State N J Application Number to be assigned by Corps District Engineer 250 070 200530  
Div. 3 Dist. 3 Type 1 Sequence No. 1

2. Name of applicant and title of signing official National Gypsum Company  
Mr. Darwin Tucker, Corporate President

3. Mailing address of applicant National Gypsum Company  
325 Delaware Avenue  
Buffalo, New York 14202

4. Name, address, telephone number and title of applicant's authorized agent for permit application coordination and correspondence.  
Mr. George P. Reilly E. L. Jurewicz  
Plant Manager Project Engineer  
National Gypsum Company -Alt.- 325 Delaware Avenue  
50 Division Street Buffalo, New York 14202  
Millington, New Jersey 07946 1-716-583-5830  
Phone 1-201-647-0500 852

**NOTE TO APPLICANT:** Refer to the pamphlet entitled "Permits for Work and Structures in and for Discharges or Deposits into Navigable Waters" before attempting to complete this form.

### Required Information

- All information contained in this application will, upon request, be made available to the public for inspection and copying. A separate sheet entitled "Confidential Answers" must be used to set out information which is considered by the applicant to constitute trade secrets or commercial or financial information of a confidential nature. The information must clearly indicate the item number to which it applies. Confidential treatment can be considered only for that information for which a specific written request of confidentiality has been made on the attached sheet. However, in no event will identification of the contents and frequency of a discharge be recognized as confidential or privileged information.
- The applicant shall furnish such supplementary information as is required by the District Engineer in order to evaluate fully an application.
- If additional space is needed for a complete response to any item on this form, attach a sheet entitled "Additional Information." Indicate on that sheet the item numbers to which answers apply.
- Drawings required by items 20 and 21 should be attached to this application. Other papers which must be attached to this application include, if applicable, copies of a water quality certification or a written communication which describes water quality impact (see Item 22 and Item 10 of Section II below), the additional information sheet(s) in "c" above, and the confidential information sheet described in "a" above.

### Fees

If any discharge or deposit is involved, an application fee of \$100 must be submitted with this application. An additional \$50 is required for each additional point of discharge or deposit.

### Signature

- If a discharge is involved, an application submitted by a corporation must be signed by the principal executive officer of that corporation or by an officer of the rank of corporate vice president or above who reports directly to such principal executive officer and who has been designated by the principal executive officer to make such applications on behalf of the corporation. In the case of a partnership or a sole proprietorship, the application must be signed by a general partner or the proprietor. Other signature requirements are discussed in the pamphlet.
- If no discharge is involved, an application may be signed by the applicant or his authorized agent.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate.

*[Signature]*  
Signature of Applicant

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

Acronym name of applicant NG

### FOR CORPS OF ENGINEERS USE ONLY

Are discharge structures

Major? ☐

Minor? ☐

N/A? ☐

Date received, form not complete 25 JUN 71

Date received, form complete but without certificate ---

Date received, form complete ---

Date of Cert/Ltr. ---

Date sent to EPA, form not complete 10 DEC 71

Date sent to EPA, NOAA, D/I, AEC, ---

EPC in complete form ---

22. PHYSICAL DESCRIPTION OF INTAKE WATER AND DISCHARGE							
Intake		Discharge			(Office use only)		
					250 OKW 2 000570		
					Discharge Serial No.		
					001		
Parameter and (Code)	UNTREATED INTAKE WATER (1)	TREATED INTAKE WATER (2)	AVERAGE (DAILY) (3)	MINIMUM (OPERATING YEAR) (4)	MAXIMUM (OPERATING YEAR) (5)	SAMPLE FREQUENCY (6)	CONTINUOUS MONITORING (7)
Flow (Gallons per day) 00056	120,000		55,000	35,000	75,000	OTHR	ABS
pH 00400	7.5		8.5	7.0	11	OTHR	ABS
Temperature (Winter) (°F) 74028	40		55	35	60	OTHR	ABS
Temperature (Summer) (°F) 74027	75		70	60	80	OTHR	ABS

23. DISCHARGE CONTENTS							
PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT
Color 00080		X	Aluminum 01105	X		Nickel 01067	
Turbidity 00070		X	Antimony 01097		X	Selenium 01147	
Radioactivity 74050		X	Arsenic 01002		X	Silver 01077	
Hardness 00900	X		Beryllium 01012		X	Potassium 00937	
Solids 00500	X		Barium 01007		X	Sodium 00929	X
Ammonia 00610	X		Boron 01022		X	Titanium 01152	
Organic Nitrogen 00605	X		Cadmium 01027		X	Tin 01102	
Nitrate 00620	X		Calcium 00916	X		Zinc 01092	
Nitrite 00615	X		Cobalt 01037		X	Alkicides 74051	
Phosphorus 00665		X	Chromium 01034		X	Oil and Grease 00550	
Sulfate 00945	X		Copper 01042		X	Phenols 32730	
Sulfide 00745		X	Iron 01045	X		Surfactants 38260	X
Sulfite 00740		X	Lead 01051		X	Chlorinated Hydrocarbons 74052	
Bromide 71870		X	Magnesium 00927	X		Pesticides 74053	
Chloride 00940	X		Manganese 01055	X		Fecal Streptococci Bacteria 74054	
Cyanide 00720		X	Mercury 71900		X	Coliform Bacteria 74056	
Fluoride 00951		X	Molybdenum 01062		X		

SEC. II. PLANT PROCESS AND DISCHARGE DESCRIPTION		
1. Discharge described below is a. Present <input checked="" type="checkbox"/> b. Proposed new or changed <input type="checkbox"/>		2. Implementation schedule <input type="checkbox"/>
Name of corporate boundaries within which the point of discharge is located. State _____ County _____		6. Discharge Serial No. <u>001</u>
3. <u>New Jersey</u>	4. <u>Morris</u>	5. <u>Millington</u>
State the precise location of the point of discharge. 7. Latitude <u>4 0</u> Degrees; <u>4 0</u> Min; <u>1 8</u> Sec. 8. Longitude <u>7 4</u> Degrees; <u>4 1</u> Min; <u>3 3</u> Sec.		9. Name of waterway at the point of discharge. <u>Passaic River</u>
10. Has application for water quality certification or description of impact been made? If so, give date: Date _____ Check if certificate is attached to form <input type="checkbox"/> Name Issuing Agency _____ <u>SEE ATTACHED COPY OF LETTER TO THE STATE</u> mo day yr		
11. Narrative description of activity (include terms of general 4-digit Standard Industrial Classification, and specific manufacturing process). <u>Asbestos cement plant manufacture of asbestos cement shingle using cylinder wet process and autoclave cure.</u>  <u>Rigid urethane foam block manufacture by compounding resin and prepolymer and forming on a forming conveyor.</u>  _____ _____ _____		
12. Standard industrial classification number. <u>SIC 3292</u>	13. Principal product. <u>Asbestos Cement Shingle</u> <u>Polyurethane Blocks</u>	14. Amount of principal product produced per day. <u>240,000 lbs.</u> <u>80,000 Board Feet Foam</u>
15. Principal raw material. <u>NOT APPLICABLE</u>	16. Amount of principal raw material consumed per day. <u>NOT APPLICABLE</u>	17. Number of batch discharges per day. <u>NOT APPLICABLE</u>
18. Average gallons per batch discharge. <u>NOT APPLICABLE</u>	19. Date discharge began. -- mo -- day <u>4 2</u> yr	20. Date discharge will begin. <u>NOT APPLICABLE</u> mo day yr
21. Describe waste abatement practices.  <u>Plant water is operated on a recycle system with current revisions being taken to render this a closed system. After recycle effluent is discharged to a series of lagoons from where it overflows to a marsh area. The overflow from the marsh discharges by gravity along with storm water run-off into the receiving stream. The foam operation is completely closed water circuit.</u>  <u>ESEPAR, ESEGRE, EMERGE, DDOWNG, DHYSIC, RECOVE, RDOWNG, RECYCL, PSEDM, BANERO, SCAGOO, TEVAPO, WSURFA, WDISCH, WOTHER</u>  _____ _____		

ASB 001 0963

If structures exist, or dredging, filling or other construction will occur, the precise location of the activity must be described.

(Office use only)

25 D O X W

2 000 570

- a. Name the corporate boundaries within which the structures exist or the activity will occur.

State  
16. New Jersey

County  
17. Morris

City or Town  
18. Millington

- b. Name of waterway at the location of the activity

19. Passaic River

20. Maps and sketches which show the location and character of each structure or activity, including any and all outfall devices, dispersive devices, and non-structural points of discharge, must be attached to this application.

21. For construction or work in navigable waters for which a separate permit is sought under 33 U.S.C. 403, the character of each structure must be fully shown on detailed plans to be submitted with this application. Note on the drawings those structures for which separate discharge information (Section II of this form) has been submitted.

22. List all approvals or denials granted by Federal, interstate, State or local agencies for any structures, construction, discharges or deposits described in this application.

Type of document

Id. No.

Date

Issuing Agency

NONE

23. Check if facility existed or was lawfully under construction prior to April 3, 1970.



24. If dredging or filling will occur:

State the type of materials involved, their volume in cubic yards, and the proposed method of measurement.

NOT APPLICABLE

25. Describe the proposed method of instrumentation which will be used to measure the volume of any solids which may be deposited and to determine its effect upon the waterway.

NONE

26. State rates and periods of deposition described in Item 25.

NOT APPLICABLE

5. Date <div style="text-align: center; margin-top: 10px;"> <u>JUL</u>    <u>17</u>    <u>71</u>              me      day    yr         </div>	(Office use) <div style="text-align: center; margin-top: 10px;">             25 D OXW      2 000 570         </div>														
6. Check type of application: <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <span>a. Original    <input type="checkbox"/></span> <span>b. Revision    <input checked="" type="checkbox"/></span> </div>	7. Number of original application 25D OXW 2 000570														
8. Name of facility where discharge or construction will occur. <div style="text-align: center; margin-top: 10px;"> <u>Gold Bond Building Products</u>  <u>Millington Plant</u> </div>															
9. Full mailing address of facility named in item 8 above. <div style="text-align: center; margin-top: 10px;"> <u>Mr. George P. Reilly</u>  <u>Plant Manager</u>  <u>Gold Bond Building Products</u>  <u>50 Division Street</u>  <u>Millington, New Jersey 07946</u> </div>															
10. Names and mailing addresses of all adjoining property owners whose property also adjoins the waterway. <table style="width: 100%; border: none; margin-top: 10px;"> <tr> <td style="width: 50%;"><u>Mr. Walter Carell</u></td> <td style="width: 50%;"><u>Commonwealth Water Company</u></td> </tr> <tr> <td><u>150 Split Rock Road</u></td> <td><u>233 Canoe Brook Road</u></td> </tr> <tr> <td><u>Syosset, New Jersey 07946</u></td> <td><u>Short Hill, New Jersey 07946</u></td> </tr> </table>		<u>Mr. Walter Carell</u>	<u>Commonwealth Water Company</u>	<u>150 Split Rock Road</u>	<u>233 Canoe Brook Road</u>	<u>Syosset, New Jersey 07946</u>	<u>Short Hill, New Jersey 07946</u>								
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<u>150 Split Rock Road</u>	<u>233 Canoe Brook Road</u>														
<u>Syosset, New Jersey 07946</u>	<u>Short Hill, New Jersey 07946</u>														
11. Check to indicate the nature of the proposed activity: <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>a. Dredging    <input type="checkbox"/></span> <span>b. Construction    <input type="checkbox"/></span> <span>c. Construction with Discharge    <input type="checkbox"/></span> <span>d. Discharge only    <input checked="" type="checkbox"/></span> </div>															
12. If activity is temporary in nature, estimate its duration in months. <div style="text-align: center; margin-top: 10px;">             Not Applicable         </div>															
If application is for a discharge: 13. List intake sources <table style="width: 100%; border: none; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Source</th> <th style="text-align: center;">Estimated Volume in Million Gallons Per day or Fraction Thereof</th> </tr> </thead> <tbody> <tr> <td>Municipal or private water supply system</td> <td style="text-align: center;">— — — — <u>0</u> <u>2</u></td> </tr> <tr> <td>Surface water body</td> <td style="text-align: center;">— — — — <u>1</u> <u>0</u></td> </tr> <tr> <td>Ground water</td> <td style="text-align: center;">— — — — — —</td> </tr> <tr> <td>Other</td> <td style="text-align: center;">— — — — — —</td> </tr> </tbody> </table>		Source	Estimated Volume in Million Gallons Per day or Fraction Thereof	Municipal or private water supply system	— — — — <u>0</u> <u>2</u>	Surface water body	— — — — <u>1</u> <u>0</u>	Ground water	— — — — — —	Other	— — — — — —				
Source	Estimated Volume in Million Gallons Per day or Fraction Thereof														
Municipal or private water supply system	— — — — <u>0</u> <u>2</u>														
Surface water body	— — — — <u>1</u> <u>0</u>														
Ground water	— — — — — —														
Other	— — — — — —														
14. Describe water usage within the plant <table style="width: 100%; border: none; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Type</th> <th style="text-align: center;">Estimated Volume in Million Gallons Per day or Fraction Thereof</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td>Cooling water</td> <td style="text-align: center;">— — — — <u>0</u> <u>7</u></td> <td rowspan="5" style="vertical-align: middle; padding-left: 20px;">Cooling Water Recycled for Process</td> </tr> <tr> <td>Boiler Feed water</td> <td style="text-align: center;">— — — — <u>0</u> <u>2</u></td> </tr> <tr> <td>Process water</td> <td style="text-align: center;">— — — — <u>0</u> <u>8</u></td> </tr> <tr> <td>Sanitary system*</td> <td style="text-align: center;">— — — — <u>0</u> <u>1</u></td> </tr> <tr> <td>Other</td> <td style="text-align: center;">— — — — — —</td> </tr> </tbody> </table>		Type	Estimated Volume in Million Gallons Per day or Fraction Thereof		Cooling water	— — — — <u>0</u> <u>7</u>	Cooling Water Recycled for Process	Boiler Feed water	— — — — <u>0</u> <u>2</u>	Process water	— — — — <u>0</u> <u>8</u>	Sanitary system*	— — — — <u>0</u> <u>1</u>	Other	— — — — — —
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof														
Cooling water	— — — — <u>0</u> <u>7</u>	Cooling Water Recycled for Process													
Boiler Feed water	— — — — <u>0</u> <u>2</u>														
Process water	— — — — <u>0</u> <u>8</u>														
Sanitary system*	— — — — <u>0</u> <u>1</u>														
Other	— — — — — —														
15. List volume of discharges or losses other than into navigable waters. <table style="width: 100%; border: none; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Type</th> <th style="text-align: center;">Estimated Volume in Million Gallons Per day or Fraction Thereof</th> </tr> </thead> <tbody> <tr> <td>Municipal waste treatment system</td> <td style="text-align: center;">— — — — <u>0</u> <u>1</u></td> </tr> <tr> <td>Surface containment</td> <td style="text-align: center;">— — — — <u>0</u> <u>1</u></td> </tr> <tr> <td>Underground disposal</td> <td style="text-align: center;">— — — — <u>0</u> <u>0</u></td> </tr> <tr> <td>Waste Acceptance firms</td> <td style="text-align: center;">— — — — <u>0</u> <u>0</u></td> </tr> <tr> <td>Evaporation</td> <td style="text-align: center;">— — — — <u>0</u> <u>2</u></td> </tr> <tr> <td>Consumption</td> <td style="text-align: center;">— — — — <u>0</u> <u>1</u></td> </tr> </tbody> </table> <div style="margin-top: 10px;">             * Indicate number employees served per day      <u>120</u> </div>		Type	Estimated Volume in Million Gallons Per day or Fraction Thereof	Municipal waste treatment system	— — — — <u>0</u> <u>1</u>	Surface containment	— — — — <u>0</u> <u>1</u>	Underground disposal	— — — — <u>0</u> <u>0</u>	Waste Acceptance firms	— — — — <u>0</u> <u>0</u>	Evaporation	— — — — <u>0</u> <u>2</u>	Consumption	— — — — <u>0</u> <u>1</u>
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof														
Municipal waste treatment system	— — — — <u>0</u> <u>1</u>														
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Underground disposal	— — — — <u>0</u> <u>0</u>														
Waste Acceptance firms	— — — — <u>0</u> <u>0</u>														
Evaporation	— — — — <u>0</u> <u>2</u>														
Consumption	— — — — <u>0</u> <u>1</u>														

# PART B

(Office use only)

2000570

2 000 570

Discharge Serial No.  
001

## B-2. CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)

Intake	Discharge									
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	METHOD OF ANALYSIS	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ACIDITY (as CaCO <sub>3</sub> ) 00435										
TOTAL ORGANIC CARBON (T.O.C.) 00680										
TOTAL HARDNESS 00800	71		775	4.84	581	76	44	A	O	S
NITRITE (as N) 00815	A		0.2	A	A	0.1	A	A	O	S
ORGANIC NITROGEN 00805	0.7		0.8	0.01	1	0.7	A	A	O	S
PHOSPHORUS-ORTHO (as P) 70507										
SULFATE 00945	0.1		0.5	A	A	0.4	A	A	O	S
SULFIDE 00745	A		A	A	A	A	ASB	A	A	O
SULFITE 00740							001			
BROMIDE 71870							0966			

# PART B

(Office use only)

2 S D O X W

2 000 570'

Discharge Serial No.  
001

B-2. (cont.)

## CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)

Intake	Discharge									
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	METHOD OF ANALYSIS	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CHLORIDE 00940	13		30	0.19	23	13	8	A	O	S
CYANIDE 00720										
FLUORIDE 00951										
ALUMINUM-TOTAL 01105	A		600	A	A	600	A	A	O	S
ANTIMONY-TOTAL 01097										
ARSENIC-TOTAL 01002										
BARIUM-TOTAL 01007										
BERYLLIUM-TOTAL 01012										
BORON-TOTAL 01022										
CADMIUM-TOTAL 01027										

ASB 001 0967

**PART B**

(Office use only)

Discharge Serial No.

001

B-2. (cont.)

**CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)**

Intake	Discharge									
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	METHOD OF ANALYSIS	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CALCIUM-TOTAL 00916	20.0		310.0	1.93	232	21.0	12	A	O	S
CHROMIUM-TOTAL 01034	A		50	0.32	38	A	A	A	O	S
COBALT-TOTAL 01037										
COPPER-TOTAL 01042										
IRON-TOTAL 01045	A		600	A	A	400	A	A	O	S
LEAD-TOTAL 01051										
MAGNESIUM-TOTAL 00927	5		6	0.04	5	6	3	A	O	S
MANGANESE-TOTAL 01055	A		A	A	A	A	A	A	O	S
MERCURY-TOTAL 71900										
MOLYBDENUM-TOTAL 01062										

# PART B

(Office use only)

Discharge Serial No.  
001

B-2. (cont.)

CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)

Intake	Discharge										
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	SAMPLE FREQUENCY	METHOD OF ANALYSIS	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
NICKEL-TOTAL 01067											
POTASSIUM-TOTAL 00937											
SELENIUM-TOTAL 01147											
SILVER-TOTAL 01077											
SODIUM-TOTAL 00929	10		40	0.25	30	34	20	A	O	S	A
THALLIUM-TOTAL 01059											
TIN-TOTAL 01102											
TITANIUM-TOTAL 01152											
ZINC-TOTAL 01092											
OIL AND GREASE 00550	A	A	A	A	A	A	A	A	A	O	S A

ASB 001 0969

*Discharge # 1000000000*

**PART B**

(Office use only)

253 0XW

Discharge Serial No.

001

B-2. (cont.)

**CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)**

Intake		Discharge									
PARAMETER AND CODE	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	METHOD OF ANALYSIS	CONTINUOUS MONITORING	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
PHENOLS 32730	A		100	A	A	95	A	A	O	S	A
SURFACTANTS 38260											
ALGICIDES* 74051											
CHLORINATED HYDRO-CARBONS* (EXCEPT PESTICIDES) 74052											
PESTICIDES* 74053											

ASB 001 09

\*Name specific compound(s) and fill in the required data for each. Use extra blanks at the end of the form and the "Remarks" space as necessary.

# PART B

(Office use only)

Discharge Serial No.  
001

## B-3. RADIOACTIVE PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table 8-3)

Intake	Discharge						
PARAMETER AND CODE	UNTREATED INTAKE WATER	TREATED INTAKE WATER	AVERAGE (DAILY) (OPERATING YEAR)	MINIMUM (OPERATING YEAR)	MAXIMUM (OPERATING YEAR)	SAMPLE FREQUENCY	CONTINUOUS MONITORING
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
ALPHA-TOTAL 01501							
ALPHA COUNTING ERROR 01502							
BETA-TOTAL 03501							
BETA COUNTING ERROR 03502							
GAMMA-TOTAL 05501							
GAMMA COUNTING ERROR 05502							
TRITIUM-TOTAL 07000							
TRITIUM COUNTING ERROR 07001							

### B-4. REMARKS

- 1) Sample Frequency - Grab Samples Were Taken For The Purpose of this Application
- 2) Process Units Are Tons/Day

## PHYSICAL DESCRIPTION OF INTAKE WATER AND DISCHARGE

Intake	Discharge					(Office use only)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Parameter and Code	UNTREATED INTAKE WATER	TREATED INTAKE WATER	AVERAGE (DAILY)	MINIMUM (OPERATING YEAR)	MAXIMUM (OPERATING YEAR)	SAMPLE FREQUENCY	CONTINUOUS MONITORING
Flow (Gallons per day) 00056	120,000		70,000	50,000	90,000	OTHR	ABS
pH 00400	7.5		5.5	7.0	11.0	OTHR	ABS
Temperature (Winter) (°F) 74028	40°		55°	35°	60°	OTHR	ABS
Temperature (Summer) (°F) 74027	75°		70°	60°	80°	OTHR	ABS

25 D OXW

2 000 570

Discharge Serial No.

001

23.

## DISCHARGE CONTENTS

PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT
Color 00080		X	Aluminum 01105	X		Nickel 01067	
Turbidity 00070		X	Antimony 01097		X	Selenium 01147	
Radioactivity 74050		X	Arsenic 01002		X	Silver 01077	
Hardness 00900	X		Beryllium 01012		X	Potassium 00937	
Solids 00500	X		Barium 01007		X	Sodium 00929	X
Ammonia 00610	X		Boron 01022		X	Titanium 01152	
Organic Nitrogen 00605	X		Cadmium 01027		X	Tin 01102	
Nitrate 00620	X		Calcium 00916	X		Zinc 01092	
Nitrite 00615	X		Cobalt 01037		X	Algicides 74051	
Phosphorus 00665		X	Chromium 01034		X	Oil and Grease 00550	
Sulfate 00945	X		Copper 01042		X	Phenols 32730	X
Sulfide 00745		X	Iron 01045	X		Surfactants 38260	
Sulfite 00740		X	Lead 01051		X	Chlorinated Hydrocarbons 74052	
Bromide 71870		X	Magnesium 00927	X		Pesticides 74053	
Chloride 00940	X		Manganese 01055	X		Fecal Streptococci Bacteria 74054	
Cyanide 00720		X	Mercury 71900		X	Coliform Bacteria 74056	
Fluoride 00951		X	Molybdenum 01062		X		

ASB 001 0972

## PART A

(Note: Submission of Part A is required of all applicants whose processes are listed on page 3 above.)

(Office use only)

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250 0X1U 2 000570

Discharge Serial No.  
001

## INFORMATION REQUIRED OF SPECIFIED INDUSTRIES

Intake		Discharge									
PARAMETER AND CODE	DAILY AVG. CONCENTRATION/ UNTREATED INTAKE WATER (1)	MAXIMUM CONCENTRATION/ TREATED INTAKE WATER (2)	MAXIMUM CONCENTRATION PER PROCESS UNIT (3)	MAXIMUM POUNDS PER DAY PER DAY (4)	DAILY AVG. CONCENTRATION (5)	AVERAGE POUNDS PER DAY (6)	SAMPLE TYPE (7)	SAMPLE FREQUENCY (8)	METHOD OF ANALYSIS (9)	CONTINUOUS MONITORING (10)	(11)
ALKALINITY (as Ca CO <sub>3</sub> ) 00410	54		549	.3	36	58	27	AVER	OTHR	STD METH	ABS
B.O.D. 5-DAY 00310	14		1.4	.07	.9	A	A	AVER	OTHR	STD METH	ABS
CHEMICAL OXYGEN DEMAND (C.O.D.) 00340	30		30	.05	6.2	10	4.6	AVER	OTHR	STD METH	ABS
TOTAL SOLIDS 00500	15		204	.018	13	21	9 6	AVER	OTHR	STD METH	ABS
TOTAL DISSOLVED SOLIDS 70300	15		164	.104	12.5	20	9.1	AVER	OTHR	STD METH	ABS
TOTAL SUSPENDED SOLIDS 00530	A		40	-	.06	.1	.05	AVER	OTHR	STD METH	ABS
TOTAL VOLATILE SOLIDS 00505	A		40	-	.06	1	.05	AVER	OTHR	STD METH	ABS
AMMONIA (as N) 00610	2.0		3.0	-	.12	.20	.09	AVER	OTHR	STD METH	ABS
KJELDAHL NITROGEN 00625	.70		4.0	-	2.18	3.5	1.6	AVER	OTHR	STD METH	ABS
NITRATE (as N) 00620	2.25		3.0	-	1.4	2.29	1	AVER	OTHR	STD METH	ABS
PHOSPHORUS TOTAL (as P) 00665	1.10		1.1	-	.5	A	A	AVER	OTHR	STD METH	ABS

☒ Yes☐ No

25 D OXW

2 000 21

24b. If yes, have steps been taken to insure that there exists no possibility of any such known hazardous or potentially hazardous substance entering this discharge?

☒ Yes☐ No

25. Remarks.

OTHR - Grab samples taken for the purpose of this application

The information above completes the basic reporting requirements which are required of all applicants. Those applicants whose discharge results from an activity included within any of the Standard Industrial Classification Code (SIC Code) categories listed below must complete Part 4 of this form as well.

## CRITICAL INDUSTRIAL GROUPS

SIC 098	FISH HATCHERIES, FARMS, AND PRESERVES	SIC 285	PAINTS, VARNISHES, LACQUERS, ENAMELS, AND ALLIED PRODUCTS
SIC 10-14	DIVISION B - MINING	SIC 2871	FERTILIZERS
SIC 201	MEAT PRODUCTS	SIC 2879	AGRICULTURAL PESTICIDES, AND OTHER AGRICULTURAL CHEMICALS, NOT ELSEWHERE CLASSIFIED
SIC 202	DAIRY PRODUCTS	SIC 2891	ADHESIVES AND GELATIN
SIC 203	CANNED PRESERVED FRUITS, VEGETABLES (EXCEPT SEAFOODS, SIC 2031 AND 2036)	SIC 2892	EXPLOSIVES
SIC 2031, 2036	CANNED AND CURED FISH AND SEAFOODS; FRESH OR FROZEN PACKAGED FISH AND SEAFOODS	SIC 29	PETROLEUM REFINING AND RELATED INDUSTRIES
SIC 204	GRAIN MILL PRODUCTS	SIC 3011, 3069	TIRES AND INNER TUBES, FABRICATED RUBBER PRODUCTS, NOT ELSEWHERE CLASSIFIED
SIC 206	SUGAR	SIC 3079	MISCELLANEOUS PLASTICS PRODUCTS
SIC 207	CONFECTIONARY AND RELATED PRODUCTS	SIC 311	LEATHER TANNING AND FINISHING
SIC 208	BEVERAGES	SIC 32	STONE, CLAY, GLASS, AND CONCRETE PRODUCTS
SIC 209	MISCELLANEOUS FOOD PREPARATIONS AND KINDRED PRODUCTS	SIC 331	BLAST FURNACES, STEEL WORKS, AND ROLLING AND FINISHING MILLS
SIC 22	TEXTILE MILL PRODUCTS	SIC 332	IRON AND STEEL FOUNDRIES
SIC 23	APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS	SIC 333, 334	PRIMARY SMELTING AND REFINING OF NON-FERROUS METALS; SECONDARY SMELTING AND REFINING OF NONFERROUS METALS
SIC 242	SAWMILLS AND PLANING MILLS	SIC 336	NONFERROUS FOUNDRIES
SIC 2432	VENEER AND PLYWOOD	SIC 347	COATING, ENGRAVING, AND ALLIED SERVICES
SIC 2491	WOOD PRESERVING	SIC 35	MACHINERY, EXCEPT ELECTRICAL
SIC 26	PAPER AND ALLIED PRODUCTS	SIC 36	ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES
SIC 281	INDUSTRIAL INORGANIC AND ORGANIC CHEMICALS (EXCEPT SIC 2818)	SIC 37	TRANSPORTATION EQUIPMENT (EXCEPT SHIP BUILDING AND REPAIRING, SIC 3731)
SIC 2818	INDUSTRIAL ORGANIC CHEMICALS	SIC 3731	SHIP BUILDING AND REPAIRING
SIC 282	PLASTICS MATERIALS AND SYNTHETIC RESINS, SYNTHETIC RUBBER, SYNTHETIC AND OTHER MAN-MADE FIBERS, EXCEPT GLASS	SIC 491	ELECTRIC COMPANIES AND SYSTEMS
SIC 283	DRUGS	SIC 493	COMBINATION COMPANIES AND SYSTEMS
SIC 284	SOAP, DETERGENTS, AND CLEANING PREPARATIONS, PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS		

## PART A

(Note: Submission of Part A is required of all applicants whose processes are listed on page 3 above.)

(Office use only)

250 001

0005 7

Discharge Serial No.  
001

## INFORMATION REQUIRED OF SPECIFIED INDUSTRIES

Intake		Discharge									
PARAMETER AND CODE	(DAILY AVG. CONCENTRATION) (1)	(DAILY AVG. CONCENTRATION) (2)	MAXIMUM CONCENTRATION (3)	MAXIMUM POUNDS PER DAY PER PROCESS UNIT (4)	DAILY AVG. CONCENTRATION (5)	AVERAGE POUNDS PER DAY (6)	SAMPLE TYPE (7)	SAMPLE FREQUENCY (8)	METHOD OF ANALYSIS (9)	CONTINUOUS MONITORING (10)	(11)
ALKALINITY (as Ca CO <sub>3</sub> ) 00410		54				549	69	AVR	OTHR	STD METHOD	A
B.O.D. 5-DAY 00310		14				A	A	AVR	OTHR	"	A
CHEMICAL OXYGEN DEMAND (C.O.D.) 00340		30				10	1	AVR	OTHR	"	A
TOTAL SOLIDS 00500		15				204	3	AVR	OTHR	"	A
TOTAL DISSOLVED SOLIDS 70300		15				164	21	AVR	OTHR	"	A
TOTAL SUSPENDED SOLIDS 00530		0				40	5	AVR	OTHR	"	A
TOTAL VOLATILE SOLIDS 00505		A				40	5	AVR	OTHR	"	A
AMMONIA (as N) 00610		2.00				0.20	A	AVR	OTHR	"	
KJELDAHL NITROGEN 00625		0.70				3.50	1	AVR	OTHR	"	
NITRATE (as N) 00620		2.25				2.29	1	AVR	OTHR	"	
PHOSPHORUS TOTAL (as P) 00665		1.10				A	A	AVR	OTHR	"	

ASB 001 0975

24a. Have all known hazardous or potentially hazardous substances in your plant been inventoried?



Yes



No

250 011

2

0005 70

24b. If yes, have steps been taken to insure that there exists no possibility of any such known hazardous or potentially hazardous substance enter this discharge?



Yes



No

25. Remarks.

OTHR - Grab samples taken for the purpose of this report and application

The information above completes the basic reporting requirements which are required of all applicants. Those applicants whose discharge results from an activity included within any of the Standard Industrial Classification Code (SIC Code) categories listed below must complete Part A of this form well.

### CRITICAL INDUSTRIAL GROUPS

SIC 098	FISH HATCHERIES, FARMS, AND PRESERVES	SIC 285	PAINTS, VARNISHES, LACQUERS, ENAMELS, AND ALLIED PRODUCTS
SIC 10-14	DIVISION B - MINING	SIC 2871	FERTILIZERS
SIC 201	MEAT PRODUCTS	SIC 2879	AGRICULTURAL PESTICIDES, AND OTHER AGRICULTURAL CHEMICALS, NOT ELSEWHERE CLASSIFIED
SIC 202	DAIRY PRODUCTS	SIC 2891	ADHESIVES AND GELATIN
SIC 203	CANNED PRESERVED FRUITS, VEGETABLES (EXCEPT SEAFOODS, SIC 2031 AND 2036)	SIC 2892	EXPLOSIVES
SIC 2031, 2036	CANNED AND CURED FISH AND SEAFOODS; FRESH OR FROZEN PACKAGED FISH AND SEAFOODS	SIC 29	PETROLEUM REFINING AND RELATED INDUSTRIES
SIC 204	GRAIN MILL PRODUCTS	SIC 3011, 3089	TIRES AND INNER TUBES; FABRICATED RUBBER PRODUCTS, NOT ELSEWHERE CLASSIFIED
SIC 206	SUGAR	SIC 3079	MISCELLANEOUS PLASTICS PRODUCTS
SIC 207	CONFECTIONARY AND RELATED PRODUCTS	SIC 311	LEATHER TANNING AND FINISHING
SIC 208	BEVERAGES	SIC 32	STONE, CLAY, GLASS, AND CONCRETE PRODUCTS
SIC 209	MISCELLANEOUS FOOD PREPARATIONS AND KINDRED PRODUCTS	SIC 331	BLAST FURNACES, STEEL WORKS, AND ROLLING AND FINISHING MILLS
SIC 22	TEXTILE MILL PRODUCTS	SIC 332	IRON AND STEEL FOUNDRIES
SIC 23	APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS	SIC 333, 334	PRIMARY SMELTING AND REFINING OF NON-FERROUS METALS; SECONDARY SMELTING AND REFINING OF NONFERROUS METALS
SIC 242	SAWMILLS AND PLANING MILLS	SIC 338	NONFERROUS FOUNDRIES
SIC 2432	VENEER AND PLYWOOD	SIC 347	COATING, ENGRAVING, AND ALLIED SERVICES
SIC 2491	WOOD PRESERVING	SIC 35	MACHINERY, EXCEPT ELECTRICAL
SIC 26	PAPER AND ALLIED PRODUCTS	SIC 36	ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES
SIC 281	INDUSTRIAL INORGANIC AND ORGANIC CHEMICALS (EXCEPT SIC 2818)	SIC 37	TRANSPORTATION EQUIPMENT (EXCEPT SHIP BUILDING AND REPAIRING, SIC 3731)
SIC 2818	INDUSTRIAL ORGANIC CHEMICALS	SIC 3731	SHIP BUILDING AND REPAIRING
SIC 282	PLASTICS MATERIALS AND SYNTHETIC RESINS, SYNTHETIC RUBBER, SYNTHETIC AND OTHER MAN-MADE FIBERS, EXCEPT GLASS	SIC 491	ELECTRIC COMPANIES AND SYSTEMS
SIC 283	DRUGS	SIC 493	COMBINATION COMPANIES AND SYSTEMS
SIC 284	SOAP, DETERGENTS, AND CLEANING PREPARATIONS, PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS		

22. PHYSICAL DESCRIPTION OF INTAKE WATER AND DISCHARGE							
Intake		Discharge			(Office use only) C X I 2 0005 70 Discharge Serial No. 001		
Parameter and Code	UNTREATED INTAKE WATER (1)	TREATED INTAKE WATER (2)	AVERAGE (DAILY) (3)	MINIMUM (OPERATING YEAR) (4)	MAXIMUM (OPERATING YEAR) (5)	SAMPLE FREQUENCY (6)	CONTINUOUS MONITORING (7)
Flow (Gallons per day) 00056		20000	45000			OTHR	ABS
pH 00400		7.0	11.9			OTHR	ABS
Temperature (Winter) (°F) 74028	TEMPERATURES ARE CONSIDERED AMBIENT						
Temperature (Summer) (°F) 74027							

23. DISCHARGE CONTENTS							
PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT
Color 00080		X	Aluminum 01106	X		Nickel 01067	
Turbidity 00070		X	Antimony 01097		X	Selenium 01147	
Radioactivity 74050		X	Arsenic 01002		X	Silver 01077	
Hardness 00900	X		Beryllium 01012		X	Potassium 00937	
Solids 00500	X		Barium 01007		X	Sodium 00929	X
Ammonia 00610	X		Boron 01022		X	Titanium 01152	X
Organic Nitrogen 00606	X		Cadmium 01027		X	Tin 01102	X
Nitrate 00620	X		Calcium 00916	X		Zinc 01092	X
Nitrite 00615	X		Cobalt 01037		X	Algicides 74051	X
Phosphorus 00665		X	Chromium 01034		X	Oil and Grease 00550	X
Sulfate 00945	X		Copper 01042		X	Phenols 32730	X
Sulfide 00745		X	Iron 01046	X		Surfactants 38260	X
Sulfite 00740		X	Lead 01051		X	Chlorinated Hydrocarbons 74052	X
Bromide 71870		X	Magnesium 00927	X		Pesticides 74053	X
Chloride 00940	X		Manganese 01055	X		Fecal Streptococci Bacteria 74054	X
Cyanide 00720		X	Mercury 71900		X	Coliform Bacteria 74056	X
Fluoride 00951		X	Molybdenum 01062		X		

## SECTION II. PLANT PROCESS AND DISCHARGE DESCRIPTION

1. Discharge described below is a. Present <input checked="" type="checkbox"/> b. Proposed new or changed <input type="checkbox"/>		2. Implementation schedule <input type="checkbox"/>		(Office use only) 2300X3      2      0005 70	
Name of corporate boundaries within which the point of discharge is located.					6. Discharge Serial No. 001
State 1. <u>New Jersey</u>		County 4. <u>Morris</u>		City or Town 5. <u>Millington</u>	
State the precise location of the point of discharge.			9. Name of waterway at the point of discharge.		
7. Latitude <u>40°</u> Degrees; <u>45'</u> Min; <u>13"</u> Sec.			<u>Passaic River</u>		
8. Longitude <u>74°</u> Degrees; <u>41'</u> Min; <u>33"</u> Sec.					
10. Has application for water quality certification or description of impact been made? If so, give date:					
Date See attached copy of letter of request to the State		Check if certificate is attached to form <input type="checkbox"/>		Name Issuing Agency	
11. Narrative description of activity (include terms of general 4-digit Standard Industrial Classification, and specific manufacturing process).					
<u>Asbestos Cement plant manufacture of asbestos cement shingle using cylinder wet process and autoclave cure.</u> <u>Rigid Urethane foam block manufacture by compounding resin and prepolymer and forming on a forming conveyor.</u>					
12. Standard industrial classification number: <u>SIC 3292</u>		13. Principal product. <u>Asbestos Cement Shingle</u> <u>Polyurethane Blocks</u>		14. Amount of principal product produced per day. <u>240,000 lbs.</u> <u>80,000 Board feet</u>	
15. Principal raw material.		16. Amount of principal raw material consumed per day.		17. Number of batch discharges per day	
18. Average gallons per batch discharge.		19. Date discharge began. — mo — day <u>4</u> <u>2</u> yr		20. Date discharge will begin. — mo — day — yr	
21. Describe waste abatement practices.					
<u>Plant water is operated on a recycle system with current revisions being taken to render this a closed system. After recycle effluent is discharged to a series of lagoons from where it overflows to a marsh area. The overflow from the marsh discharges by gravity along with storm water run-off into the receiving stream. The foam operation is a completely closed water circuit.</u> <u>ESEPAR, ESEGRE, EMERGE, DDOWNG, DHYSIC, RECOVE, RDOWNG, RECYCL, PSEDIM, BANERO, SLAGOO, TEVAPO, WSURFA, WDISCH, WOTHER.</u>					

If structures exist, or dredging, filling or other construction will occur, the precise location of the activity must be described.

(Office use only).

2 1 1 0 0 0 3 7 0

- a. Name the corporate boundaries within which the structures exist or the activity will occur.

16. <sup>State</sup> New Jersey

17. <sup>County</sup> Morris

18. <sup>City or Town</sup> Millington

- b. Name of waterway at the location of the activity

19. Passaic River

20. Maps and sketches which show the location and character of each structure or activity, including any and all outfall devices, dispersive devices, and non-structural points of discharge, must be attached to this application.

21. For construction or work in navigable waters for which a separate permit is sought under 33 U.S.C. 403, the character of each structure must be fully shown on detailed plans to be submitted with this application. Note on the drawings those structures for which separate discharge information (Section II of this form) has been submitted.

22. List all approvals or denials granted by Federal, interstate, State or local agencies for any structures, construction, discharges or deposits described in this application.

Type of document

Id. No.

Date

Issuing Agency

23. Check if facility existed or was lawfully under construction prior to April 3, 1970. ☒

24. If dredging or filling will occur:

State the type of materials involved, their volume in cubic yards, and the proposed method of measurement.

25. Describe the proposed method of instrumentation which will be used to measure the volume of any solids which may be deposited and to determine its effect upon the waterway.

26. State rates and periods of deposition described in Item 25.

5. Date <u>JUN 25 71</u> mo      day      yr	(Office use only) 250 0 X 7      2      0005 70														
6. Check type of application: a. Original <input checked="" type="checkbox"/> b. Revision <input type="checkbox"/>	7. Number of original application														
8. Name of facility where discharge or construction will occur. <u>National Gypsum Company</u> <u>Millington Plant</u>															
9. Full mailing address of facility named in item 8 above. <u>Mr. George P. Reilly, Plt. Mgr.</u> <u>National Gypsum Company</u> <u>50 Division Street</u> <u>Millington, New Jersey 07946</u> <u>Phone 1-201-647-0500</u>															
10. Names and mailing addresses of all adjoining property owners whose property also adjoins the waterway. <u>Mr. Walter Carell, 150 Splitrock Road, Syosset, New Jersey</u> <u>Commonwealth Water Company, 233 Canoe Brook Road, Short Hill, N.J.</u>															
11. Check to indicate the nature of the proposed activity: a. Dredging <input type="checkbox"/> b. Construction <input type="checkbox"/> c. Construction with Discharge <input type="checkbox"/> d. Discharge only <input checked="" type="checkbox"/>															
12. If activity is temporary in nature, estimate its duration in months.															
If application is for a discharge:															
13. List intake sources	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Source</th> <th style="width: 40%;">Estimated Volume in Million Gallons Per day or Fraction Thereof</th> </tr> </thead> <tbody> <tr> <td>Municipal or private water supply system</td> <td>0 0 <math>\Delta</math></td> </tr> <tr> <td>Surface water body</td> <td>0 2</td> </tr> <tr> <td>Ground water</td> <td></td> </tr> <tr> <td>Other</td> <td></td> </tr> </tbody> </table>	Source	Estimated Volume in Million Gallons Per day or Fraction Thereof	Municipal or private water supply system	0 0 $\Delta$	Surface water body	0 2	Ground water		Other					
Source	Estimated Volume in Million Gallons Per day or Fraction Thereof														
Municipal or private water supply system	0 0 $\Delta$														
Surface water body	0 2														
Ground water															
Other															
14. Describe water usage within the plant	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Type</th> <th style="width: 40%;">Estimated Volume in Million Gallons Per day or Fraction Thereof</th> </tr> </thead> <tbody> <tr> <td>Cooling water</td> <td>0 7</td> </tr> <tr> <td>Boiler Feed water</td> <td>0 2</td> </tr> <tr> <td>Process water</td> <td>0 8</td> </tr> <tr> <td>Sanitary system*</td> <td>0 1</td> </tr> <tr> <td>Other</td> <td></td> </tr> </tbody> </table>	Type	Estimated Volume in Million Gallons Per day or Fraction Thereof	Cooling water	0 7	Boiler Feed water	0 2	Process water	0 8	Sanitary system*	0 1	Other			
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof														
Cooling water	0 7														
Boiler Feed water	0 2														
Process water	0 8														
Sanitary system*	0 1														
Other															
15. List volume of discharges or losses other than into navigable waters.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Type</th> <th style="width: 40%;">Estimated Volume in Million Gallons Per day or Fraction Thereof</th> </tr> </thead> <tbody> <tr> <td>Municipal waste treatment system</td> <td>0 1</td> </tr> <tr> <td>Surface containment</td> <td>0 0 <math>\Delta</math></td> </tr> <tr> <td>Underground disposal</td> <td></td> </tr> <tr> <td>Waste Acceptance firms</td> <td>0 2 <math>\Delta</math></td> </tr> <tr> <td>Evaporation</td> <td></td> </tr> <tr> <td>Consumption</td> <td></td> </tr> </tbody> </table>	Type	Estimated Volume in Million Gallons Per day or Fraction Thereof	Municipal waste treatment system	0 1	Surface containment	0 0 $\Delta$	Underground disposal		Waste Acceptance firms	0 2 $\Delta$	Evaporation		Consumption	
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof														
Municipal waste treatment system	0 1														
Surface containment	0 0 $\Delta$														
Underground disposal															
Waste Acceptance firms	0 2 $\Delta$														
Evaporation															
Consumption															
* Indicate number employees served per day <u>120</u>															

# PART A

(Note: Submission of Part A is required of all applicants whose processes are listed on page 3 above.)

(Office use only)

2 S D O X W

2 000 570

Discharge Serial No.

001

## INFORMATION REQUIRED OF SPECIFIED INDUSTRIES

Intake	Discharge									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PARAMETER AND CODE	(DAILY AVG. CONCENTRATION) (1)	(DAILY AVG. CONCENTRATION) (2)	(DAILY AVG. CONCENTRATION) (3)	(DAILY AVG. CONCENTRATION) (4)	(DAILY AVG. CONCENTRATION) (5)	(DAILY AVG. CONCENTRATION) (6)	(DAILY AVG. CONCENTRATION) (7)	(DAILY AVG. CONCENTRATION) (8)	(DAILY AVG. CONCENTRATION) (9)	(DAILY AVG. CONCENTRATION) (10)
ALKALINITY (as Ca CO <sub>3</sub> )										
00410	54		549	3.43	412	58	34	AVER	OTHR	STD METH AB
B.O.D. 5-DAY										
00310	14		14	0.09	11	A	A			
CHEMICAL OXYGEN DEMAND (C.O.D.)										
00340	30		30	0.19	23	10	6			
TOTAL SOLIDS										
00500	15		204	1.28	153	21	12			
TOTAL DISSOLVED SOLIDS										
70300	15		164	1.02	123	20	12			
TOTAL SUSPENDED SOLIDS										
00530	A		40	0.25	30	1	1			
TOTAL VOLATILE SOLIDS										
00505	A		40	0.25	30	1	1			
AMMONIA (as N)										
00610	2.00		3.00	0.02	2	20	A			
KJELDAHL NITROGEN										
00625	0.70		4.00	0.02	3	3.50	2			
NITRATE (as N)										
00620	2.25		3.00	0.02	2	2.29	1			
PHOSPHORUS TOTAL (as P)										
00605	1.10		1.10	0.01	1	A	A			

DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS

APPLICATION FOR PERMIT TO DISCHARGE OR WORK IN NAVIGABLE WATERS AND THEIR TRIBUTARIES

SECTION I. GENERAL INFORMATION

1. State N J Application Number (to be assigned by Corps of Engineers) 250 QXN 2 0005 70  
Div. Dist. Type Sequence No.

2. Name of applicant and title of signing official National Gypsum Company  
Mr. Darwin Tucker, Corporate President

3. Mailing address of applicant  
National Gypsum Company  
325 Delaware Avenue  
Buffalo, New York 14202

4. Name, address, telephone number and title of applicant's authorized agent for permit application coordination and correspondence.  
Mr. George P. Reilly E. L. Jurewicz  
Plant Manager Project Engineer  
National Gypsum Company -Alt.- 325 Delaware Avenue  
50 Division Street Buffalo, New York 14202  
Millington, New Jersey 07946 1-716-582-5880  
Phone 1-201-647-0500

NOTE TO APPLICANT: Refer to the pamphlet entitled "Permits for Work and Structures in and for Discharges or Deposits into Navigable Waters" before attempting to complete this form.

Required Information

- All information contained in this application will, upon request, be made available to the public for inspection and copying. A separate sheet entitled "Confidential Answers" must be used to set out information which is considered by the applicant to constitute trade secrets or commercial or financial information of a confidential nature. The information must clearly indicate the item number to which it applies. Confidential treatment can be considered only for that information for which a specific written request of confidentiality has been made on the attached sheet. However, in no event will identification of the contents and frequency of a discharge be recognized as confidential or privileged information.
- The applicant shall furnish such supplementary information as is required by the District Engineer in order to evaluate fully an application.
- If additional space is needed for a complete response to any item on this form, attach a sheet entitled "Additional Information." Indicate on that sheet the item numbers to which answers apply.
- Drawings required by items 20 and 21 should be attached to this application. Other papers which must be attached to this application include, if applicable, copies of a water quality certification or a written communication which describes water quality impact (see Item 22 and Item 10 of Section II below), the additional information sheet(s) in "e" above, and the confidential information sheet described in "a" above.

Fees

If any discharge or deposit is involved, an application fee of \$100 must be submitted with this application. An additional \$50 is required for each additional point of discharge or deposit.

Signature

- If a discharge is involved, an application submitted by a corporation must be signed by the principal executive officer of that corporation or by an official of the rank of corporate vice president or above who reports directly to such principal executive officer and who has been designated by the principal executive officer to make such applications on behalf of the corporation. In the case of a partnership or a sole proprietorship, the application must be signed by a general partner or the proprietor. Other signature requirements are discussed in the pamphlet.
- If no discharge is involved, an application may be signed by the applicant or his authorized agent.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate.

[Signature]  
Signature of Applicant

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR CORPS OF ENGINEERS USE ONLY

Acronym name of applicant

Are discharge structures

Date received, form not complete

Date received, form complete but without certificate

Date received, form complete

Date of Cert./Ltr.

day mo yr

Major? ☐

Minor? ☐

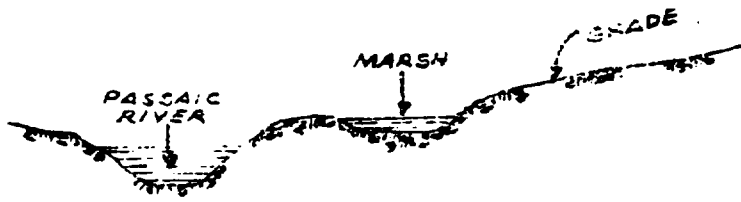
N/A? ☐

Date sent to EPA, form not complete

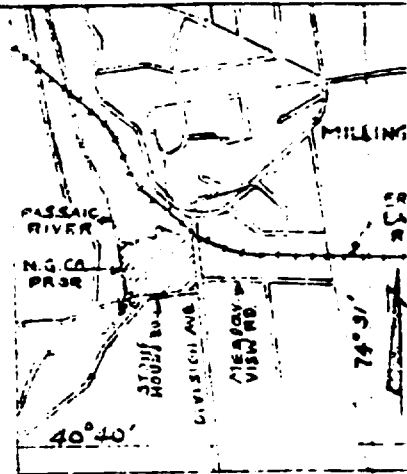
Date sent to EPA, NOAA, D/I, AEC, FPC in complete form

day mo yr

ASB 001-0982



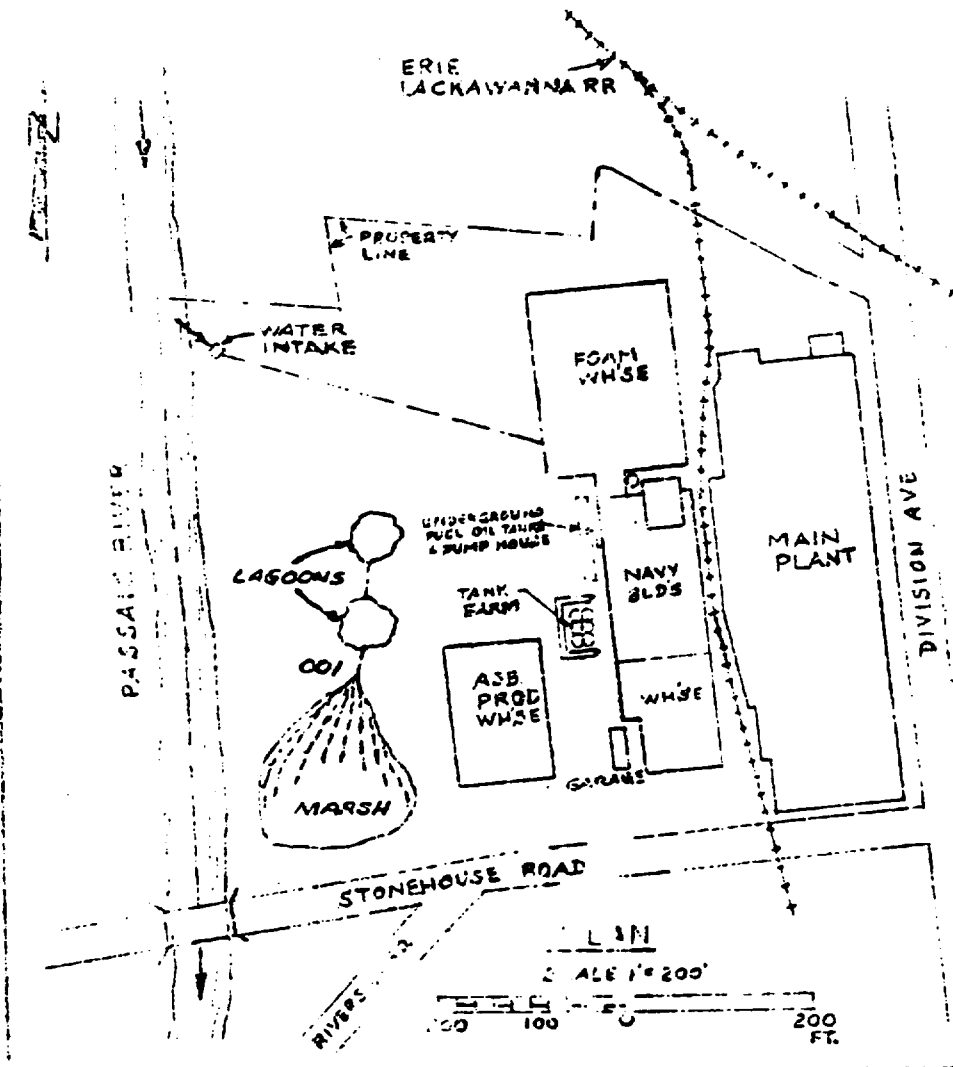
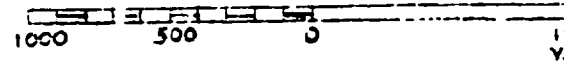
PROFILE THRU RIVER AND MARSH



LOCATION MAP

TRACED FROM SHEET 6045 II N  
A.M.S. SERIES V522

SCALE 1:24,000



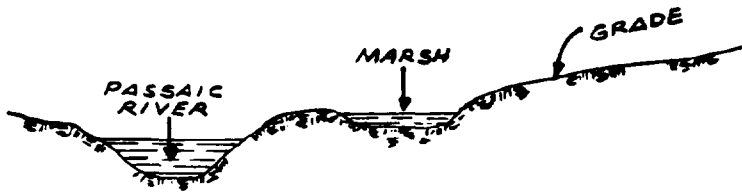
MEADOW VIEW RD.

NATIONAL GYPSUM CO.  
MILLINGTON, MORRIS  
COUNTY, NEW JERSEY

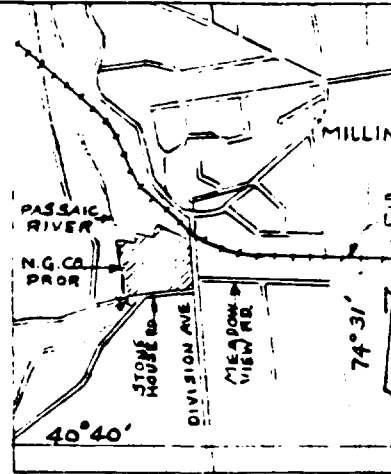
DISCHARGE PERMIT  
APPLICATION DRAWING

SHEET 1 OF  
JUNE 1, 19

ASB 001 0983



PROFILE THRU RIVER AND MARSH

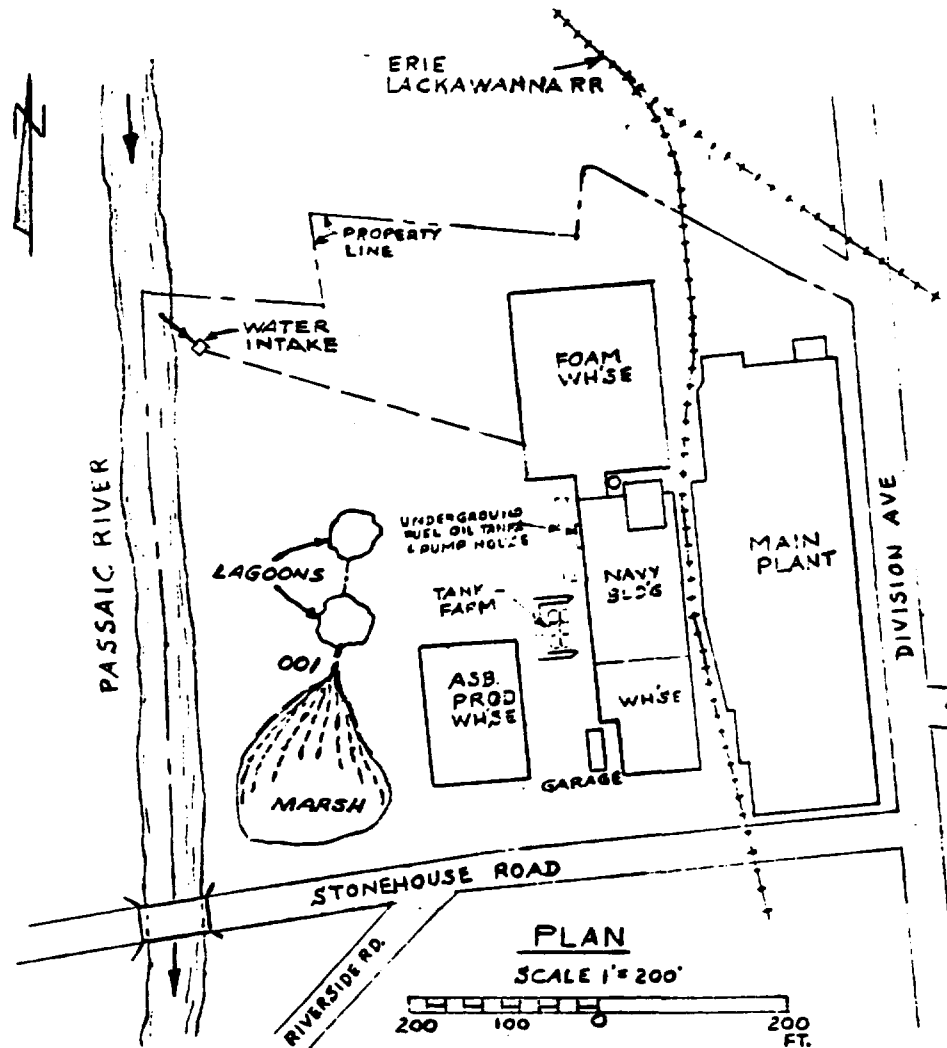
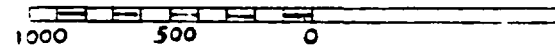


LOCATION MAP

TRACED FROM SHEET 6065 11

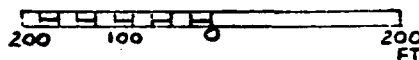
A.M.S. SERIES V922

SCALE : 24,000



PLAN

SCALE 1" = 200'



ASB 001 0984

NATIONAL GYPSUM C  
MILLINGTON, MORRIS  
COUNTY, NEW JERSEY

DISCHARGE PERMIT  
APPLICATION DRAWING

SHEET 1 OF  
JUNE 1, 19

5. Date <div style="text-align: center; margin-top: 10px;"> <u>JUN 25 71</u>  <small>mo day yr</small> </div>	(Office use only) 2SD OXW 2 000570
6. Check type of application: <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>a. Original <input checked="" type="checkbox"/></span> <span>b. Revision <input type="checkbox"/></span> </div>	7. Number of original application <div style="text-align: center; margin-top: 5px;">001</div>
8. Name of facility where discharge or construction will occur. <div style="margin-top: 5px;"> <u>National Gypsum Company</u>  <u>Millington Plant</u> </div>	
9. Full mailing address of facility named in item 8 above. <div style="margin-top: 5px;"> <u>Mr. George P. Reilly, Plant Manager</u>  <u>National Gypsum Company</u>  <u>50 Division Street</u>  <u>Millington, New Jersey 07946</u>  <u>Phone: 1-201-647-0500</u> </div>	
10. Names and mailing addresses of all adjoining property owners whose property also adjoins the waterway. <div style="margin-top: 5px;"> <u>Mr. Walter Carell, 150 Splitrock Road, Syosset, New Jersey</u>  <u>Commonwealth Water Company, 233 Canoe Brook Road, Short Hill, New Jersey</u> </div>	
11. Check to indicate the nature of the proposed activity: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>a. Dredging <input type="checkbox"/></span> <span>b. Construction <input type="checkbox"/></span> <span>c. Construction with Discharge <input type="checkbox"/></span> <span>b. Discharge only <input checked="" type="checkbox"/></span> </div>	
12. If activity is temporary in nature, estimate its duration in months.	
If application is for a discharge: 13. List intake sources	
Source	Estimated Volume in Million Gallons Per day or Fraction Thereof
Municipal or private water supply system	0 3
Surface water body	1 5
Ground water	— —
Other	— —
14. Describe water usage within the plant	
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof
Cooling water	0 7
Boiler Feed water	0 2
Process water	0 8
Sanitary system*	0 1
Other	— —
15. List volume of discharges or losses other than into navigable waters.	
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof
Municipal waste treatment system	— —
Surface containment	0 1
Underground disposal	0 0
Waste Acceptance firms	— —
Evaporation	0 2
Consumption	0 0
* Indicate number employees served per day <span style="float: right; margin-right: 50px;"><u>120</u></span>	

If structures exist, or dredging, filling, or other construction will occur, the precise location of the activity must be described.

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2SD OXW 2 000570

- a. Name the corporate boundaries within which the structures exist or the activity will occur.

State  
16. New Jersey

County  
17. Morris

City or Town  
18. Millington

- b. Name of waterway at the location of the activity

19. Passaic River

20. Maps and sketches which show the location and character of each structure or activity, including any and all outfall devices, dispersive devices, and non-structural points of discharge, must be attached to this application.

21. For construction or work in navigable waters for which a separate permit is sought under 33 U.S.C. 403, the character of each structure must be fully shown on detailed plans to be submitted with this application. Note on the drawings those structures for which separate discharge information (Section II of this form) has been submitted.

22. List all approvals or denials granted by Federal, interstate, State or local agencies for any structures, construction, discharges or deposits described in this application.

Type of document

Id. No.

Date

Issuing Agency

NONE

**SUPERSEDED**

23. Check if facility existed or was lawfully under construction prior to April 3, 1970. ☒

24. If dredging or filling will occur:

State the type of materials involved, their volume in cubic yards, and the proposed method of measurement.

NONE PLANNED

25. Describe the proposed method of instrumentation which will be used to measure the volume of any solids which may be deposited and to determine its effect upon the waterway.

NO SYSTEM PLANNED

26. State rates and periods of deposition described in Item 25.

AS REQUIRED

DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS

APPLICATION FOR PERMIT TO DISCHARGE OR WORK IN NAVIGABLE WATERS AND THEIR TRIBUTARIES

SECTION I GENERAL INFORMATION

1. State N J Application Number (to be assigned by Corps of Engineers)  
Div.          Dist.          Type          Sequence No.         

2. Name of applicant and title of signing official National Gypsum Company  
Mr. Darwin Tucker, Corporate President

3. Mailing address of applicant National Gypsum Company  
325 Delaware Avenue  
Buffalo, New York 14202

4. Name, address, telephone number and title of applicant's authorized agent for permit application coordination and correspondence.  
Mr. George P. Reilly E.L. Jurewicz  
Plant Manager Project Engineer  
National Gypsum Company -Alt.- 325 Delaware Avenue  
50 Division Street Buffalo, New York 14202  
Millington, New Jersey 07946 1-716-582-5880  
Phone 1-201-647-0500 852-5880 RF

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*[Signature]*  
Signature of Applicant

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FOR CORPS OF ENGINEERS USE ONLY

Acronym name of applicant         

Are discharge structures

Major? ☐ Minor? ☐ N/A? ☐

Date received, form not complete         

Date received, form complete but without certificate         

Date received, form complete         

Date of Cert./Ltr.         

day mo yr

Date sent to EPA, form not complete         

Date sent to EPA, NOAA, D/I, AEC, FPC in complete form         

day mo yr

22.

## PHYSICAL DESCRIPTION OF INTAKE WATER AND DISCHARGE

Intake	Discharge		(Office use only)				
	Untreated Intake Water	Treated Intake Water	Average Daily (Operating Year)	Minimum (Operating Year)	Maximum (Operating Year)	Sample Frequency	Continuous Monitoring
Parameter and (Code)	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Flow (Gallons per day) 00056		20000	150,000	WATER FLOW DEPENDS UPON WEATHER CONDITIONS		OTHR	ABS
pH 00400		7.0	8.5			OTHR	ABS
Temperature (Winter) (°F) 74028	TEMPERATURES ARE CONSIDERED AMBIENT						
Temperature (Summer) (°F) 74027							

23.

## DISCHARGE CONTENTS

PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT
Color 00060		X	Aluminum 01105	X		Nickel 01067	
Turbidity 00070		X	Antimony 01097		X	Selenium 01147	
Radioactivity 74050		X	Arsenic 01002		X	Silver 01077	
Hardness 00900	X		Beryllium 01012		X	Potassium 00937	
Solids 00500	X		Barium 01007		X	Sodium 00929	X
Ammonia 00610	X		Boron 01022		X	Titanium 01152	
Organic Nitrogen 00605	X		Cadmium 01027		X	Tin 01102	
Nitrate 00620	X		Calcium 00916	X		Zinc 01092	
Nitrite 00615	X		Cobalt 01037		X	Algicides 74051	
Phosphorus 00665		X	Chromium 01034		X	Oil and Grease 00550	
Sulfate 00945	X		Copper 01042		X	Phenols 32730	
Sulfide 00745		X	Iron 01045	X		Surfactants 38260	
Sulfite 00740		X	Lead 01051		X	Chlorinated Hydrocarbons 74052	
Bromide 71870		X	Magnesium 00927	X		Pesticides 74053	
Chloride 00940	X		Manganese 01055	X		Fecal Streptococci Bacteria 74054	
Cyanide 00720		X	Mercury 71900		X	Coliform Bacteria 74056	
Fluoride 00951		X	Molybdenum 01062		X		

ASB 001 0988

(Note: Submission of Part A is required of all applicants whose processes are listed on page 3 above.)

(Office use only)

2SD OXW 2 000570

Discharge Serial No.

001

## INFORMATION REQUIRED OF SPECIFIED INDUSTRIES

Intake		Discharge									
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ALKALINITY (as Ca CO <sub>3</sub> ) 00410		54				549	687	AVER	OTHR	STD METH	ABS
B.O.D. 5-DAY 00310		14				A	A				
CHEMICAL OXYGEN DEMAND (C.O.D.) 00340		30				10	13				
TOTAL SOLIDS 00500		15				204	255				
TOTAL DISSOLVED SOLIDS 70300		15				164	205				
TOTAL SUSPENDED SOLIDS 00530		A				40	50				
TOTAL VOLATILE SOLIDS 00505		A				40	50				
AMMONIA (as N) 00610		2.00				0.20	A				
KJELDAHL NITROGEN 00625		0.70				3.50	4				
NITRATE (as N) 00620		2.25				2.29	3				
PHOSPHORUS TOTAL (as P) 00665		1.10				A	A				

ASB 001 0989

4. Are there any known hazardous or potentially hazardous substances in your plant been inventoried?

☒ Yes

☐ No

24b. If yes, have steps been taken to insure that there exists no possibility of any such known hazardous or potentially hazardous substance entering this discharge?

☒ Yes

☐ No

25. Remarks.

OTHR - Grab samples taken for the purpose of this report and application

The information above completes the basic reporting requirements which are required of all applicants. Those applicants whose discharge results from an activity included within any of the Standard Industrial Classification Code (SIC Code) categories listed below must complete Part A of this form as well.

### CRITICAL INDUSTRIAL GROUPS

SIC 098	FISH HATCHERIES, FARMS, AND PRESERVES	SIC 285	PAINTS, VARNISHES, LACQUERS, ENAMELS, AND ALLIED PRODUCTS
SIC 10-14	DIVISION B - MINING	SIC 2871	FERTILIZERS
SIC 201	MEAT PRODUCTS	SIC 2879	AGRICULTURAL PESTICIDES, AND OTHER AGRICULTURAL CHEMICALS, NOT ELSEWHERE CLASSIFIED
SIC 202	DAIRY PRODUCTS	SIC 2891	ADHESIVES AND GELATIN
SIC 203	CANNED PRESERVED FRUITS, VEGETABLES (EXCEPT SEAFOODS, SIC 2031 AND 2036)	SIC 2892	EXPLOSIVES
SIC 2031, 2036	CANNED AND CURED FISH AND SEAFOODS; FRESH OR FROZEN PACKAGED FISH AND SEAFOODS	SIC 29	PETROLEUM REFINING AND RELATED INDUSTRIES
SIC 204	GRAIN MILL PRODUCTS	SIC 3011, 3069	TIRES AND INNER TUBES; FABRICATED RUBBER PRODUCTS, NOT ELSEWHERE CLASSIFIED
SIC 206	SUGAR	SIC 3079	MISCELLANEOUS PLASTICS PRODUCTS
SIC 207	CONFECTIONARY AND RELATED PRODUCTS	SIC 311	LEATHER TANNING AND FINISHING
SIC 208	BEVERAGES	SIC 32	STONE, CLAY, GLASS, AND CONCRETE PRODUCTS
SIC 209	MISCELLANEOUS FOOD PREPARATIONS AND KINDRED PRODUCTS	SIC 331	BLAST FURNACES, STEEL WORKS, AND ROLLING AND FINISHING MILLS
SIC 22	TEXTILE MILL PRODUCTS	SIC 332	IRON AND STEEL FOUNDRIES
SIC 23	APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS	SIC 333, 334	PRIMARY SMELTING AND REFINING OF NON-FERROUS METALS; SECONDARY SMELTING AND REFINING OF NONFERROUS METALS
SIC 242	SAWMILLS AND PLANING MILLS	SIC 336	NONFERROUS FOUNDRIES
SIC 2432	VENEER AND PLYWOOD	SIC 347	COATING, ENGRAVING, AND ALLIED SERVICES
SIC 2491	WOOD PRESERVING	SIC 35	MACHINERY, EXCEPT ELECTRICAL
SIC 26	PAPER AND ALLIED PRODUCTS	SIC 36	ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES
SIC 281	INDUSTRIAL INORGANIC AND ORGANIC CHEMICALS (EXCEPT SIC 2818)	SIC 37	TRANSPORTATION EQUIPMENT (EXCEPT SHIP BUILDING AND REPAIRING, SIC 3731)
SIC 2818	INDUSTRIAL ORGANIC CHEMICALS	SIC 3731	SHIP BUILDING AND REPAIRING
SIC 282	PLASTICS MATERIALS AND SYNTHETIC RESINS, SYNTHETIC RUBBER, SYNTHETIC AND OTHER MAN-MADE FIBERS, EXCEPT GLASS	SIC 481	ELECTRIC COMPANIES AND SYSTEMS
SIC 283	DRUGS	SIC 483	COMBINATION COMPANIES AND SYSTEMS
SIC 284	SOAP, DETERGENTS, AND CLEANING PREPARATIONS, PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS		

## PART B

Millington

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2SD OXW 2 000570

Discharge Serial No.

001

## B-2. CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)

Intake	Discharge									
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	SAMPLE FREQUENCY	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ACIDITY (as CaCO <sub>3</sub> ) 00435										
TOTAL ORGANIC CARBON (T.O.C.) 00680										
TOTAL HARDNESS 00900		71					76	95	A	O S
NITRITE (as N) 00615							0.1	A	A	O S
ORGANIC NITROGEN 00605							0.7	1	A	O S
PHOSPHORUS-ORTHO (as P) 70507										
SULFATE 00945										
SULFIDE 00745		0.1					0.4	1	A	O S
SULFITE 00740										
BROMIDE 71870										

Millington

**(Office use only)**

2SD OXW 2 000570

Discharge Serial No.

00

**Intake**

## Discharge

PARAMETER AND CODE	UNTREATED INTAKE WATER	TREATED INTAKE WATER	AVERAGE (DAILY)	MINIMUM (OPERATING YEAR)	MAXIMUM (OPERATING YEAR)	SAMPLE FREQUENCY	CONTINUOUS MONITORING
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
COLOR 00080							
SPECIFIC CONDUCTANCE 00095							
TURBIDITY 00070							
FECAL STREPTOCOCCI BACTERIA 74054							
FECAL COLIFORM BACTERIA 74055							
TOTAL COLIFORM BACTERIA 74056							

ASB C

**SUPERSEDED**

ASB 001 0992

**TABLE A**  
Guide for Completion of Part A

2 S D D X V

2

0005 70

PARAMETER & UNITS	METHOD	REFERENCES			SIGNIFICANCE IN REPORTING DATA
		STANDARD METHODS 13TH ED. 1971	A.S.T.M. STANDARDS Pt. 23 1970	W.Q.O. METHODS 1971	
ALKALINITY AS Ca CO <sub>3</sub> Mg/liter	ELECTROMETRIC TITRATION TECHNICON METHYL ORANGE METHOD	p. 370	p. 154	p. 6	X.
B.O.D. 5-DAY Mg/liter	MODIFIED WINKLER METHOD OR PROBE METHOD	p. 489	p. 712	p. 15	X.
CHEMICAL OXYGEN DEMAND (C.O.D.) Mg/liter	DICHROMATE REFLUX METHOD	p. 498		p. 17	X.
TOTAL SOLIDS Mg/liter	GRAVIMETRIC, 105°C. METHOD	p. 535	-	p. 280	X.
TOTAL DISSOLVED (FILTERABLE) SOLIDS Mg/liter	GLASS FIBER FILTRATION METHOD, 180°C.	p. 539	-	p. 275	X.
TOTAL SUSPENDED (NON-FILTERABLE) SOLIDS Mg/liter	GLASS FIBER FILTRATION METHOD, 103-105°C.	p. 537	-	p. 278	X.
TOTAL VOLATILE SOLIDS Mg/liter	GRAVIMETRIC METHOD 550°C.	p. 536	-	p. 282	X.
AMMONIA (as N) Mg/liter	DISTILLATION-NESSLERIZATION METHOD OR TECHNICON-DIGESTION & PHENOLATE METHOD	p. 463	-	p. 134	.XX
KJELDAHL NITROGEN Mg/liter	DIGESTION-DISTILLATION METHOD OR TECHNICON-DIGESTION & PHENOLATE METHOD	p. 469	-	p. 148	.XX
NITRATE (as N) Mg/liter	BRUCINE SULFATE METHOD OR TECHNICON-HYDRAZINE REDUCTION METHOD	p. 461	-	p. 170	.XX
TOTAL PHOSPHORUS (as P) Mg/liter	PERSULFATE DIGESTION & SINGLE REAGENT METHOD OR TECHNICON-MANUAL DIGESTION & SINGLE REAGENT OR STANNOUS CHLORIDE	p. 526	-	p. 235	.XX

# PART B

(Office use only)

2SD OXW 2 000570

Discharge Serial No.

001

## B-3. RADIOACTIVE PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-3)

Intake	Discharge						
UNTREATED INTAKE WATER	TREATED INTAKE WATER	AVERAGE (DAILY)	MINIMUM (OPERATING YEAR)	MAXIMUM (OPERATING YEAR)	SAMPLE FREQUENCY	CONTINUOUS MONITORING	
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)
ALPHA-TOTAL 01501							
ALPHA COUNTING ERROR 01502							
BETA-TOTAL 03501							
BETA COUNTING ERROR 03502							
GAMMA-TOTAL 05501							
GAMMA COUNTING ERROR 05502							
TRITIUM-TOTAL 07000							
TRITIUM COUNTING ERROR 07001							

## B-4. REMARKS

ASB 001 0994

# PART B

(Office use only)

Discharge Serial No.

001

B-2. (cont.)

## CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)

Intake	Discharge									
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	METHOD OF ANALYSIS	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PHENOLS 32730							95	A	A	O S
SURFACTANTS 38260										
ALGICIDES* 74051										
CHLORINATED HYDRO-CARBONS* (EXCEPT PESTICIDES) 74052										
PESTICIDES* 74053										

\*Name specific compound(s) and fill in the required data for each. Use extra blanks at the end of the form and the "Remarks" space as necessary.

## PART B

(Office use only) 10 02W

2 00057

Discharge Serial No.

001

B-2. (cont.)

## CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)

Intake	Discharge										
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	SAMPLE FREQUENCY	METHOD OF ANALYSIS	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
NICKEL-TOTAL 01067											
POTASSIUM-TOTAL 00937											
SELENIUM-TOTAL 01147											
SILVER-TOTAL 01077											
SODIUM-TOTAL 00929							34	43	A	O	S A
THALLIUM-TOTAL 01059											
TIN-TOTAL 01102											
TITANIUM-TOTAL 01152											
ZINC-TOTAL 01092											
OIL AND GREASE 00550							A	A	A	O	S A

## PART B

(Office use only) D OXW

~~253 OXW~~

2 000570

~~2 000570~~

Discharge Serial No.

001

B-2. (cont.)

## CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)

Intake	Discharge									
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	SAMPLE FREQUENCY	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CALCIUM-TOTAL 00916		20				21	26	A	O	S
CHROMIUM-TOTAL 01034						A	A	A	O	S
COBALT-TOTAL 01037										
COPPER-TOTAL 01042										
IRON-TOTAL 01045						400	1	A	O	S
LEAD-TOTAL 01051										
MAGNESIUM-TOTAL 00927		5				6	7	A	O	S
MANGANESE-TOTAL 01055						A	A	A	O	S
MERCURY-TOTAL 71900										
MOLYBDENUM-TOTAL 01082										

## PART B

E. J. OXW

1 11 1970

(Office use only) S D OXW  
~~2 5 5 0 X W~~2 00007  
2 000412

Discharge Serial No.

001

B-2. (cont.)

## CHEMICAL PARAMETERS OF INTAKE WATER AND DISCHARGE (See Table B-2)

Intake	Discharge									
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	MAXIMUM CONCENTRATION	MAXIMUM POUNDS PER DAY PER PROCESS UNIT	MAXIMUM POUNDS PER DAY	DAILY AVG. CONCENTRATION	AVERAGE POUNDS PER DAY	SAMPLE TYPE	METHOD OF ANALYSIS	CONTINUOUS MONITORING
PARAMETER AND CODE	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
CHLORIDE 00940		13					13	16	A O S	
CYANIDE 00720										
FLUORIDE 00951										
ALUMINUM-TOTAL 01105							600	1	A O S	
ANTIMONY-TOTAL 01097										
ARSENIC-TOTAL 01002										
BARIUM-TOTAL 01007										
BERYLLIUM-TOTAL 01012										
BORON-TOTAL 01022										
CADMIUM-TOTAL 01027										

SUPERSEDED

SECTION II. PLANT PROCESS AND DISCHARGE DESCRIPTION			
1. Discharge described below is a. Present <input checked="" type="checkbox"/> b. Proposed new or changed <input type="checkbox"/>		2. Implementation schedule <input type="checkbox"/>	
Name of corporate boundaries within which the point of discharge is located. State <u>3. New Jersey</u> County <u>4. Morris</u> City or Town <u>5. Millington</u>		6. Discharge Serial No. <u>001</u>	
State the precise location of the point of discharge. 7. Latitude <u>4 0</u> Degrees; <u>4 0</u> Min; <u>-</u> Sec. 8. Longitude <u>7 4</u> Degrees; <u>3 1</u> Min; <u>-</u> Sec.		9. Name of waterway at the point of discharge. <u>Passaic River</u>	
10. Has application for water quality certification or description of impact been made? If so, give date: Date _____ Check if certificate is attached to form <input type="checkbox"/> Name Issuing Agency _____ <u>SEE ATTACHED COPY OF LETTER OF REQUEST TO THE STATE</u> <div style="display: flex; justify-content: space-around; font-size: small;"> <span>mo</span> <span>day</span> <span>yr</span> </div>			
11. Narrative description of activity (include terms of general 4-digit Standard Industrial Classification, and specific manufacturing process). <u>Asbestos Cement plant manufacture of asbestos cement shingle using cylinder wet process and autoclave cure. Rigid Urethane foam block manufacture by com-</u> <u>pounding resin and prepolymer and forming on a forming conveyor.</u>  <div style="text-align: center; border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;">             SEPT 1980              STATE OF NEW JERSEY              DEPT. OF ENVIRONMENTAL PROTECTION           </div>			
12. Standard industrial classification number. <u>SIC 3292</u>		13. Principal product. <u>Asbestos Cement Shingle</u> <u>Polyurethane Blocks</u>	
15. Principal raw material. <u>Asbestos</u>		16. Amount of principal raw material consumed per day. <u>Varies</u>	
18. Average gallons per batch discharge. <u>N/A</u>		19. Date discharge began. <div style="display: flex; justify-content: space-around;"> <span><u>-</u> mo <u>-</u> day <u>4 2</u> yr</span> </div>	
14. Amount of principal product produced per day. <u>240,000 lbs.</u> <u>80,000 Board feet</u>		17. Number of batch discharges per day. <u>Varies</u>	
20. Date discharge will begin. <div style="display: flex; justify-content: space-around;"> <span><u>-</u> mo <u>-</u> day <u>N/A</u> yr</span> </div>			
21. Describe waste abatement practices. <u>Plant water is operated on a recycle system with current revisions being taken to</u> <u>render this a closed system. After recycle effluent is discharged to a series of</u> <u>lagoons from where it overflows to a marsh area. The overflow from the marsh</u> <u>discharges by gravity along with storm water run-off into the receiving stream. The</u> <u>foam operation is a completely closed water circuit.</u> <u>ESEPAR, ESEGRE, EMERGE DDOWNG, DHYSIC, RECOVE, RDOWNG, RECYCL,</u> <u>PSDIM, BANERO, SLAGOO, TEVAPO, WSURFA, WDISCH, WOTHER.</u>			